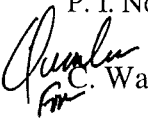


ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-079-1(45)/(46)/(50)
Berrien-Atkinson Counties
P. I. Nos. 432106/432110/432105
OFFICE Preconstruction
DATE July 13, 2000
FROM  C. Wayne Hutto, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

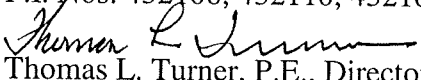
Attachment

DISTRIBUTION:

Tom Turner
David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Georgene Geary (ATTN: Michael Henry)
Marion Waters
Marta Rosen
Paul Liles
Don Mills
Jimmy Chambers (ATTN: Ted Cashin)
David Crim
Jim Kennerly

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-079-1(45), (46), (50) **OFFICE** Preconstruction
 Berrien-Atkinson Counties
 P.I. Nos. 432106, 432110, 432105 **DATE** June 27, 2000
FROM 
 Thomas L. Turner, P.E., Director of Preconstruction
TO J. Tom Coleman, Jr., Commissioner

SUBJECT PROJECT CONCEPT REPORT

These combined projects are the replacement of three narrow and structurally deficient bridges on SR 135 over Alapaha River and the two overflows at the Berrien-Atkinson County line. The existing Alapaha River Bridge, constructed in 1940, is 1134' x 24' and supported by 10" H-piles with a sufficiency rating of 26. The existing Alapaha River overflow bridges (both 297' x 24') were built in 1940 and supported by 10" H-piles, with sufficiency rating of 43 and 44 respectively. The existing approaches consist of two, 12' lanes with rural shoulders and a variable 100' - 300' of existing right-of-way. This section of SR 135 is a STAA access route for single or twin trailer trucks. The base year traffic (2004) along this section of SR 135 is 2,200 VPD and the 20 year traffic (2024) or design year projected volume is 3,400 VPD. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 135 east of its present location extending a total of 1.88 miles. In addition, the construction will replace the existing bridges over Alapaha River and the two overflows with new 1150' x 40', 320' x 40', and 320' x 40' concrete bridges, respectively, located just east of the existing bridge structures. The relocated SR 135 will consist of two, 12' lanes with 8' rural shoulders. An additional 50' of right-of-way will be required at the south end of project BRST-079-1(46) to permanently shift the alignment. Traffic will be maintained along the existing roadway during construction.

Environmental concerns for all three projects include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for these projects are:

BRST-079-1(46) Berrien-Atkinson - Alapaha River

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$5,524,000	\$2,846,000	2002	01-07
Right-of-Way	\$ 20,000	\$ 10,000		
Utilities*	LGPA	LGPA		

J. Tom Coleman, Jr.

Page 2

BRST-079-1(45), (46), (50) Berrien-Atkinson

June 27, 2000

*Berrien County signed LGPA for utilities; LGPA sent 8-4-99 requesting Atkinson County do utilities.

BRST-079-1(50) Atkinson - Alapaha River Overflow

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$1,862,000	\$1,283,000	2002	01-07
Right-of-Way	-----	\$ 10,000		
Utilities*	LGPA	LGPA		

*Atkinson County signed LGPA on 8-12-99 for utilities.

BRST-079-1(45) Atkinson - Alapaha River Overflow

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$2,383,000	\$1,283,000	2002	01-07
Right-of-Way	-----	\$ 10,000		
Utilities*	LGPA	LGPA		

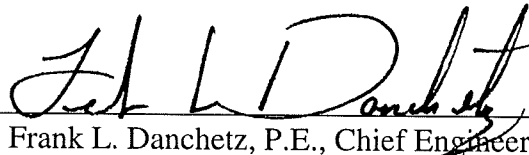
*Atkinson County signed LGPA on 7-15-99 for utilities.

These projects are in the STIP. I recommend these project concepts be approved and the projects be constructed simultaneously.

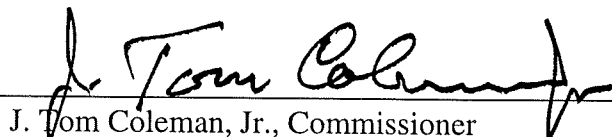
TLT:JDQ/cj

Attachment

CONCUR


Frank L. Danchetz, P.E., Chief Engineer

APPROVE


J. Tom Coleman, Jr., Commissioner

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-079-1(46) Berrien
P.I. Number 432110

OFFICE: Atlanta, Georgia

DATE: June 15, 2000

FROM: David Mulling, Project Review Engineer

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT

We have reviewed the concept report submitted June 7, 2000 by the letter from Ted Cashin dated June 6, 2000, and have no comment.

The costs for the project are:

Construction	\$4,593,000
Inflation	\$ 459,000
E&C	\$ 506,000
Reimbursable Utilities	\$ 0
Right of Way	\$ 20,000

DTM

c: Ted Cashin – Office of Consultant Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(46)

County: Berrien

P. I. Number: 432110

DESCRIPTION: SR 135 over Alapaha River

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

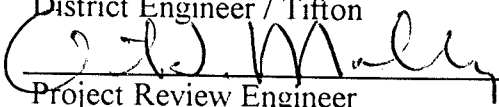
Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date
6/15/00
Date

District Engineer / Tifton

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

Topographic map of the Willacoochee area in Georgia. The map shows a large circular feature labeled "WILLACOOCHEE" with "Elev. 245". The map includes roads, water bodies, and a large arrow pointing to a specific location. The map is labeled "G.M.D. 1026".

Project: BRST-079-1(46) Berrien County PI No.: 432110
Description: SR 135 over Alapaha River

PROJECT CONCEPT REPORT

DATE: June 5, 2000

PROJECT NUMBER: BRST-079-1(46)

COUNTY: Berrien

DESCRIPTION: Bridge Replacement

LENGTH: The total length of this project is approximately 6000 feet (1.13 miles)

P.I. NO.: 432110

U.S. ROUTE NO.: N/A STATE RT. NO.: 135

LOCATION: SR 135 over Alapaha River

MILE POINT REFERENCE:

BEGIN 10.98 END N/A

TRAFFIC

CURRENT		PROJECTED	
YEAR: <u>2007</u>	ADT: <u>2200</u> 2400	YEAR: <u>2027</u>	ADT: <u>3400</u> 3600

PDP CLASSIFICATION

Minor

FUNCTION CLASSIFICATION

Rural Minor Arterial

FOS ()

EXEMPT(X)

N/A ()

EXISTING DESIGN

TYPICAL SECTION: 2 lane rural with R/W width varying from 100 ft to 300 ft

POSTED SPEED 55 MI/HR

MAX. DEGREE OF CURVE 1° 30'

MAX. EXISTING GRADE 2.1 %

EXISTING MAJOR STRUCTURES: 32 approach spans at 27 ft, 3 spans at 60 ft and one span across the channel at 90 ft.

FEATURE INTERSECTED: Alapaha River

S. RTG: 26.9

LENGTH: 1134 feet

WIDTH: 24 feet

PROJECT NEED & PURPOSE: The purpose of this project is to replace the structurally deficient bridge. See attached Need & Purpose Statement.

PROPOSED DESIGN

PROPOSED TYPICAL SECTION: Two 12'-0" travel lanes with 8' shoulders. Typical section attached.

PROPOSED RIGHT-OF-WAY WIDTH: An additional 50' of R/W to the east of existing C.L. will be required at the south end to permanently shift the alignment 42 feet.

DESIGN SPEED: 55 MI/HR

MAX. DEGREE OF CURVE: ALLOWABLE: 5° 45'

PROPOSED: 1° 30'

MAX. GRADE: ALLOWABLE: 4.5 %

PROPOSED: 2.1 %

TYPE ACCESS: Permit

TRAFFIC CONTROL DURING CONSTRUCTION:

Two-way traffic will be maintained on the existing bridge while proposed bridge is constructed.

PROPOSED STRUCTURES: The proposed bridge will be 40'-0" wide, consisting of two 12'-0" travel lanes and 8'-0" shoulders. The bridge is expected to be 1150' long.

DESIGN EXCEPTIONS REQUIRED

<u>CONTROLLING CRITERIA</u>	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(x)
ROADWAY WIDTH:	()	()	(x)
SHOULDER WIDTH:	()	()	(x)
VERTICAL GRADES:	()	()	(x)
CROSS SLOPES:	()	()	(x)
STOPPING SIGHT DISTANCE:	()	()	(x)
SUPERELEVATION RATES:	()	()	(x)
HORIZONTAL CLEARANCE:	()	()	(x)
SPEED DESIGN:	()	()	(x)
VERTICAL CLEARANCE:	()	()	(x)
BRIDGE WIDTH:	()	()	(x)
BRIDGE STRUCTURAL CAPACITY:	()	()	(x)

NUMBER OF PARCELS: 3

DISPLACEMENTS: None

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: PENDING

CONFORMS TO TIP/STIP? YES

MEETS LOGICAL TERMINI REQUIREMENTS? YES

P.A.R. MEETING: NONE ANTICIPATED

LEVEL OF ENVIRONMENTAL ANALYSIS: C. E.

PUBLIC INVOLVEMENT: NONE ANTICIPATED

PERMITS REQUIRED (COE 404, WATER QUALITY, TVA): NW 404

TIME SAVINGS PROCEDURES APPROPRIATE: YES

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL: 2 (MONTHS)

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 3 (MONTHS)

TIME TO COMPLETE 404 PERMIT: 2 (MONTHS)

TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 3 (MONTHS)

TIME TO BUY RIGHT OF WAY: 6 (MONTHS)

LOCAL GOVERNMENT COMMITMENTS: Berrien County signed for utilities 8-23-99 and Atkinson County signed for utilities 8-19-99

OTHER PROJECTS IN THE AREA: BRST-079-1(50) and BRST-079-1(45). These projects are overflow bridges for the Alapaha River and will be coordinated to set alignment on this project.

PROBABLE LOCATIONS OF USTS: NONE IDENTIFIED

PROBABLE LOCATION OF HAZARDOUS WASTE: NONE IDENTIFIED

ALTERNATES CONSIDERED: (1) Build proposed bridge on same location of the existing alignment with temporary detour to the east; (2) Build proposed bridge parallel and offset from existing, abandon or demolish existing bridge; (3) No Build.

Cost Comparison Summary of Concepts 1 - 3

COMMENTS: Alternate (1) was eliminated due to a long temporary alignment. Because the other two projects are close to the Alapaha River bridge, to build temporary detours for each bridge individually is impossible. The temporary detour for this project would extend past the other projects for a total length of 10,500 feet. 8,000 feet of this temporary detour would be fill material. Alternate (3) was eliminated due to long term maintenance cost of structurally deficient bridge. Alternate (2) is selected for this concept.

ATTACHMENTS: COST ESTIMATE, NEED & PURPOSE, TYPICAL SECTIONS, BRIDGE INVENTORY, TRAFFIC ASSIGNMENTS, FLEXIBLE PAVEMENT DESIGN, LOCATION & DESIGN NOTICE, AND CONCEPT TEAM MEETING MINUTES.

NOTE: F.E.M.A. MAPS NOT AVAILABLE FOR BERRIEN COUNTY

PRELIMINARY COST ESTIMATE

DATE: June 5, 2000

PREPARED BY: Heath & Lineback Engineers, Inc.

PROJECT NO.: BRST-079-1(46)

P.I. NO.: 432110

LENGTH: 6000 feet (1.13 miles)

PROJECT DESCRIPTION: SR 135 over Alapaha River - Proposed bridge length of 1150 ft and 40' wide.

PROPOSED CONCEPT: The proposed bridge consists of two 12'-0" travel lanes with 8'-0" shoulders. Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

EXISTING ROADWAY: State Route 135

TRAFFIC: Existing: 2400 ADT (2007)

Design: 3600 ADT (2027)

() PROGRAMMING PROCESS (x) CONCEPT DEVEL. () DURING PROJ DEVEL.

PROJECT COSTS

PROJECT COSTS

04/17/00 DETAILED COST ESTIMATE FOR PROJECT NO. 432110 - BRST-079-1(46) IN BERRIEN COUNTY
SR 135 OVER ALAPAHA RIVER AT BERRIEN-ATKINSON COUNTY LINE

ITEM NO.	ITEM	UNIT	UNIT COST	QUANT	TOTAL
ROADWAY					
210-0100	GRADING COMPLETE -	LS	\$1,044,000.00	1	\$1,044,000.00
310-5060	GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	\$6.25	15089	\$94,305.56
318-3000	AGGR SURF CRS	TN	\$14.38	50	\$719.00
402-0111	RECYCLED ASPH CONC B, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	\$33.50	1731	\$58,003.58
402-0120	RECYCLED ASPH CONC BASE, GP 1 OR 2, INCL BITUM MATL & H	TN	\$33.93	3463	\$117,496.20
402-0130	RECYCLED ASPH CONC E, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	\$35.05	1299	\$45,515.49
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	\$36.29	50	\$1,814.50
413-1000	BITUM TACK COAT	GL	\$0.84	1584	\$1,330.84
433-1000	REINF CONC APPROACH SLAB	SY	\$80.55	310	\$24,970.50
441-0301	CONC SPILLWAY, TP 1	EA	\$1,119.28	4	\$4,477.12
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	\$25.31	200	\$5,062.00
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	\$356.29	4	\$1,425.16
576-1015	SLOPE DRAIN PIPE, 15 IN	LF	\$19.49	100	\$1,949.00
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	\$843.19	4	\$3,372.76
641-1100	GUARDRAIL, TP T	LF	\$24.55	83	\$2,037.65
641-1200	GUARDRAIL, TP W	LF	\$10.88	3000	\$32,640.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	\$433.10	0	\$0.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	\$1,632.38	4	\$6,529.52
SUBTOTAL					\$1,445,648.87
EROSION CONTROL					
161-1000	EROSION CONTROL -	LS	\$20,000.00	1	\$20,000.00
SUBTOTAL					\$20,000.00
BRIDGE					
540-1102	REMOVAL OF EXISTING BR, BR NO -	LS	\$60,000.00	1	\$60,000.00
543-1001	CONSTRUCTION OF BRIDGE NO. (\$65/SF X 46000 SF)	LS	\$2,990,000.00	1	\$2,990,000.00
603-2024	STN DUMPED RIP RAP, TP 1, 24 IN	SY	\$35.67	1400	\$49,938.00
SUBTOTAL					\$3,099,938.00
TRAFFIC SIGN & MARKING					
000-0000	TRAFFIC SIGNING & MARKING	LS	\$10,000.00	1	\$10,000.00
SUBTOTAL					\$10,000.00
TRAFFIC CONTROL - STAGED CONSTRUCTION					
150-1000	TRAFFIC CONTROL -	LS	\$15,000.00	1	\$15,000.00
622-1032	PRECAST CONCRETE MEDIAN BARRIER, METHOD 2	LF	\$24.65	100	\$2,465.00
SUBTOTAL					\$17,465.00
CONSTRUCTION COST					\$4,593,051.87

CONSTRUCTION:	\$4,593,052	RIGHT OF WAY:	\$20,000.00
E & C (10%):	\$459,305	ACQUIRED BY:	DOT
INFLATION: (2 yrs. @ 5% per yr)	\$470,788	UTILITIES:	Non-reimbursable
TOTAL CONS'T COSTS	\$5,523,145		

NOTE - CONSTRUCTION ESTIMATE BASED ON ADJACENT PROJECTS BRST-079-1(50) & BRST-079-1(45)
CONSTRUCTED SIMULTANEOUSLY

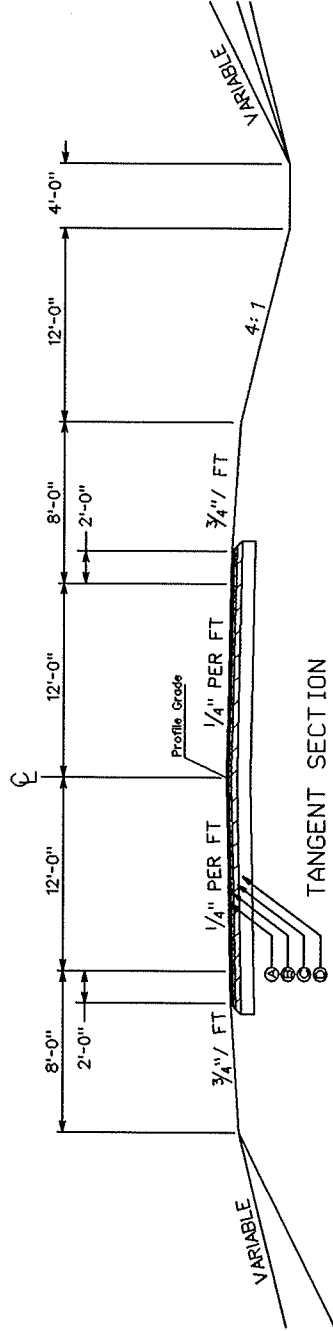
Need and Purpose
BERRIEN COUNTY
BRST-079-1 (46)
PI # 432110

Bridge project BRST-079-1 (46) will replace the structurally deficient bridge at State Route 135 over the Alapaha River. The project is the result of a structural evaluation of bridges on the State Highway System supported by 10 inch H-Piles or smaller. There is no roadway project associated with the bridge replacement. The bridge, constructed in 1940, has two-lanes and a deck width of 29.5 feet. The 1998 AADT is 1,800 vehicles, and traffic is projected to increase to 2,700 AADT by 2018. The 1998 Level of Service for SR-135 is level A and is projected to drop to a level C before 2018. The roadway is projected to exceed capacity (around 2028) within the expected life span of the bridge. The 1995, 1996 and 1997 accident rates along the section of SR-135 where the bridge is located are below the statewide accident rates for similar routes. This section of SR-135 is a STAA access route for single and twin trailer trucks. Land use along the corridor is mostly undeveloped property with some residential and farm land.

The Structural Evaluation Rating for the bridge is a 2 and the Sufficiency Rating is a 26.9. Rather than improve a structure with a Sufficiency Rating below 50, the Department currently schedules the bridge for replacement. The Structural Evaluation Rating is on a scale of 0-9 with 2 being the lowest rating for an operable bridge. A zero requires closing the bridge and a 2 requires replacement. Both the Structural Evaluation Rating and the Sufficiency Rating mandate the bridge be replaced.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST-079-(46)		

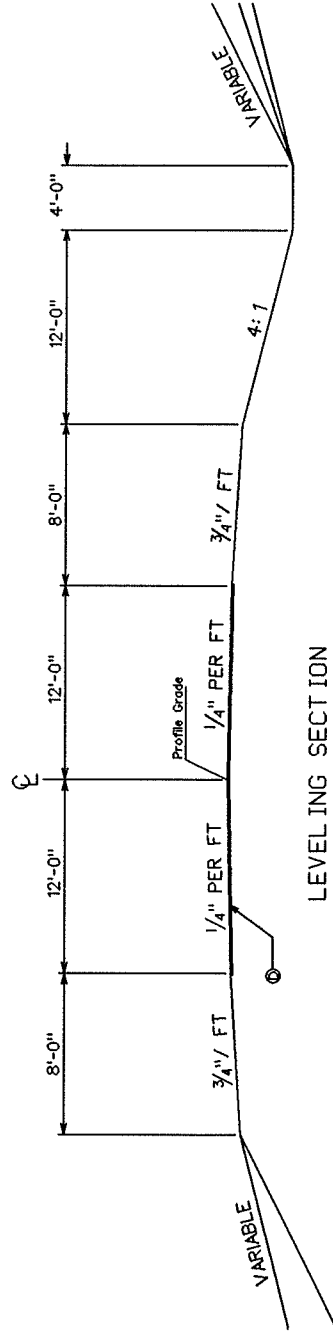
TYPICAL SECTION #1



REQUIRED PAVEMENT

- (A) ASPHALTIC CONCRETE 12.5 mm MK - 1/2 IN
- (B) ASPHALTIC CONCRETE 19 mm MK - 2 IN
- (C) ASPHALTIC CONCRETE 25 mm MK - 4 IN
- (D) GRADED AGGREGATE BASE, 8 IN
- (E) ASPHALTIC CONCRETE LEVELING COURSE

TYPICAL SECTION #2



		GEORGIA DEPARTMENT OF TRANSPORTATION PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN	
PRELIMINARY LAYOUT SR 135 OVER ALAPAHA RIVER TYPICAL SECTIONS BERRIEN COUNTY, GA.		BRST-079-(46) SCALE: 1" = 50' APRIL 2000	
DATE	REVISIONS	BY	BRIDGE SHEET

Location & Geography

* Structure I.D. No.: 019-0033-0
200 Bridge Information: 07
* 6A Feature Int.: ALAPAHA RIVER
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00135
* 7B Facility Carried: SR 135
* 9 Location: @ ATKINSON CO LINE
2 DOT District: 4
207 Year Photo: 1998
* 91 Inspection Frequency: 12 Date: 10/28/1998
92A Fract Crit Insp Freq: 0 00 Date: 0000
92B Underwater Insp Freq: 0 00 Date: 0000
92C Other Spec. Insp Freq: 2 12 Date: 10/28/1998
* 4 Place Code: 00000
* 5 Inventory Route (O/U): 1
Type: 3
Designator: 1
Number: 00135
Direction: 0
* 16 Latitude: 31-18.0
* 17 Longitude: 83 -03.3
98 Border Bridge: 000 %Shared: 00
99 ID Number: 000000000000000000
* 100 Defense Highway: 0
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
264 Road Inventory Mile Post: 010.91
* 208 Inspection Area: 04 Initials: LEM
* Location I.D. No: 019-00135D-010.98N
* XReferen I.D. No: 000-000000-000.000

Signs & Attachments

* 104 Highway System: 0
* 26 Functional Classification: 06
* 204 Federal Route Type: F No: 079-1
* 110 Truck Route: 1
206 School Bus Route: 0
217 Benchmark Elevation: 208.98
218 Datum: 3
* 19 Bypass Length: 15
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01
* 31 Design Load: 2
37 Historical Significance: 5
205 Congressional District: 08
* 27 Year Constructed: 1940
106 Year Reconstructed: 0000
33 Bridge Median: 0
34 Skew: 00
35 Structure Flared: 0
38 Navigation Control: 0
213 Special Steel Design: 8
267 Type of Paint: 2
* 42 Type Service On: 1 Under: 5
214 Movable Bridge: 00
203 Type Bridge: O-N-M-O
259 Pile Encasement: 2
* 43 Structure Type Main: 4 02
45 No. Spans Main: 003
44 Structure Type Appr: 4 4
46 No. Spans Appr: 0033
226 Bridge Curve Horz: 0 Vert: 0
111 Pier Protection: 0
107 Deck Structure Type: 1
108 Wearing Surface Type: 1
Membrane: 0
Protection: 0
223 Expansion Joint Type: 02
242 Deck Drains: 1
243 Parapet Location: 0
Height: 0
Width: 0
238 Curb: 1.2 1
239 Handrail: 1 1
* 240 Median Barrier Rail: 0
241 Bridge Median Height: 0
Width: 0
* 230 Guardrail Loc Dir Rear: 3
Fwd: 3
Oppo Dir Rear: 0
Fwd: 0
244 Approach Slab: 3
224 Retaining Wall: 0
233 Posted Speed Limit: 55
236 Warning Sign: 1
234 Delinicator: 1
235 Hazard Boards: 1
237 Utilities Gas:
Water:
Electric:
Telephone:
Sewer:
247 Lighting Street: 0
Navigation: 0
Aerial: 0
* 248 County Continuity No: 00

Programming Data

201 Project No: SAP 1699-B (2)
 202 Plans Available: 1
 249 Prop. Proj No: BRST-079-1 (46)
 250 Approval Status: 0000
 251 P.I. No: 432110
 252 Contract Date: 02/01/2004
 260 Seismic No: 00000
 75 Type Work: 34 1
 94 Bridge Imp. Cost: \$ 1,071
 95 Roadway Imp. Cost: \$ 120
 96 Total Imp. Cost: \$ 1,684
 76 Imp. Length: 001345
 97 Imp. Year: 1990
 114 Future ADT: 002700 Year: 2018

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0201.9 Year: 1973
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0183.9
 Drainage Area: 00000
 Area of Opening: 024530
 113 Scour Critical: 6
 216 Water Depth: 03.0 Br Height: 22.0
 222 Slope Protection: 2
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type:
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 * 265 U/W Insp. Area: 0 Diver: ZZZ
 * Location I.D. No: 019-00135D-010.98N
 * XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 001800 Year: 1998
 109 % Trucks: 5
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0090
 * 49 Structure Length: 1134
 51 Br. Rdwy. Width: 23.9
 52 Deck Width: 29.5
 * 47 Tot. Horz. Cl: 23.9
 50 Curb/Sdewlk Width: 1.0/1.0
 32 Approach Rdwy Width: 024
 * 229 Shlder Width:
 Rear Lt: 7.0 Type: 8 Rt: 7.0
 Fwd Lt: 7.0 Type: 8 Rt: 7.0
 Pvmnt Width:
 Rear: 24.0 Type: 2
 Fwd: 24.0 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail: 2
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over: 99' 99"
 Under: N 00' 00"
 * 228 Min. Vert. Cl
 Act. Odm. Dir: 99' 99"
 Oppo. Dir: 99' 99"
 Posted Odm. Dir: 00' 00"
 Oppo. Dir: 00' 00"
 55 Lateral Undercl. Rt: N 99.9
 56 Lateral Undercl. Lt: 0.0
 * 10 Max Min Vert Cl: 99' 99" Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 6.5
 Deck Thick Approach: 6.5
 246 Overlay Thickness: 0.0
 211 Tons Structural Steel: 45.0
 212 Year Last Painted: Sup: 1996 Sub: 1996

Ratings

66 Inventory Type: 2 Rating: 13
 64 Operating Type: 2 Rating: 29
 231 Calculated Loads
 H-Modified: 14 1
 HS-Modified: 22 1
 Type 3: 18 1
 Type 3s2: 33 1
 Timber: 25 1
 Piggyback: 40 0
 261 H Inventory Rating: 10
 262 H Operating Rating: 15
 67 Structural Evaluation: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 7
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 7
 68 Deck Geometry: 3
 69 UnderClr. Horiz Vert: N
 72 Appr. Alignment: 7
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 3
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 14
 HS-Modified: 22
 Type 3: 18
 Type 3S2: 33
 Timber: 25
 Piggyback: 00
 253 Notification Date: 0000
 253 Fed Notify Date: 0000

~~Ebodaghe, Abby~~

Sent: Tuesday, October 06, 1998 8:39 AM
To: Cashin, Ted
Cc: Chambers, Jimmy
Subject: Traffic Assignments for S.R. 135 @ Alapaha River @ Atkinson Co. Line.

9015.013.1h.001
Trsf. Assign.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE ~~# 13~~
BRST-079-1(46), Berrien County
P.I. # 432110

OFFICE Environment/ Location
DATE March 19, 2000

FROM David E. Studstill, P.E., State Environment/ Location

TO Jimmy Chambers, Office Of Consultant Management
 Attn. Ted Cashin

SUBJECT We are furnishing estimated traffic assignments for the above project as follows:

2007 AADT = 2400

2027 AADT = 3600

K = 9%

D = 60%

T = 7%

24 HR. T = 9%

S.U. = 4%

COMB. = 5%

If you have any questions concerning this information please
contact Abby Ebodaghe at (404) 505-4889.

FLEXIBLE PAVEMENT DESIGN ANALYSIS

Project: BRST-079-1(46)

County: BERRIEN

P.I. no.: 432110

Description: SR 135 OVER ALAPAHA RIVER AT BERRIEN-ATKINSON COUNTY LINE

Traffic Data (NOTE: AADTs are one-way)

24-hour Truck Percentage: 9.00%

AADT initial year of design period: 1,440 vpd (2007)

AADT final year of design period: 2,160 vpd (2027)

Mean AADT (one-way): 1,800 vpd

Design Loading

Mean AADT	LDF	Trucks	18-K ESAL	Total Daily Loads
1,800 *	1.00 *	0.090 *	0.62	= 101

Total predicted design period loading = $101 * 20 * 365 = 737,300$ Design Data

Terminal Serviceability Index: 2.50

Soil Support: 4.00

Regional Factor: 1.40

PROPOSED FLEXIBLE PAVEMENT STRUCTURE

Material	Thickness mm	(in.)	Structural Coefficient	Structural Value
12.5 mm Superpave	40	(1.57)	0.0173	0.69
19 mm Superpave	50	(1.97)	0.0173	0.86
25 mm Superpave	24	(0.94)	0.0173	0.42
	76	(2.99)	0.0118	0.90
Graded Aggregate Base	150	(5.91)	0.0063	0.94
Required SN = 3.46			Proposed SN = 3.81	

>>> Proposed pavement is 10.2% Overdesign <<<

Remarks:

Prepared by ALLEN KRIVSKY - HEATH & LINEBACK ENGINEERS

April 6, 2000
Date

Recommended

State Urban Design Engineer

Date

Approved

Chief Engineer

Date

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-079-1(46)

P.I. No. 432110

Notice is hereby given in compliance with Georgia code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

This project consists of S.R. 135 bridge over Alapaha River, located in Berrien & Atkinson Counties, 10 th Land District, Land Lot 18. The improvement project includes replacing the existing bridge over Alapaha River.

Date of Location Approval: _____

Drawings and/or maps, and/or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation. Any interested party may obtain a copy of the drawings or maps or plats by writing to the Georgia Department of Transportation, No. 2 Capital Square, Atlanta, Georgia 30334 and paying a nominal cost thereof.

Any written request in reference to this Notice SHOULD include the PROJECT AND P.I. NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referenced to:

James R. Chambers
Georgia Department of Transportation
No. 2 Capital Square
Atlanta, Georgia 30334

**CONCEPT MEETING MINUTES
MAY 23, 2000**

**CONCEPT MEETING FOR BRIDGE REPLACEMENT WORK ORDERS
W.O. #13 – BRST-079-1(46) – BERRIEN CO – P.I. 432110
SR 135 OVER ALAPAHA RIVER**

LOCATION: GADOT District 4 Office
Tifton, GA

Attendees: Allen Krivsky – Heath & Lineback Engineers
Randy Boykin - Heath & Lineback Engineers
Ted Cashin – GADOT – Office of Consultant Design
Andy Pitman – Edwards-Pitman Environmental
Emory Giddens - GADOT Utilities
Randall Carr – GADOT Environmental
Joe Sheffield – GADOT Tifton
Zane Hutchinson – GADOT Tifton
Don Gaskins – GADOT Tifton
Danny Gay – GADOT Traffic Operations
Mike Harnage – Alltel
Jerry Huggins – Plant Telephone

Allen Krivsky described the project and a brief overview of the concept report. (Note: (46), (50), & (45) were reviewed simultaneously.)

Noted projects are in the STIP. Construction date is 2002 and adjacent overflow bridges are 2003.

Planning and programming delivered signed copies of LGPA from Berrien & Atkinson Co.

Utilities noted Alltel and Plant Tel on the west side of road.

Traffic Operations noted a fatal accident occurred from the north. T. O. asked to study 40 ft offset and practical method of construction between proposed road and structure and existing road. Note clear zone during construction.

Environmental noted no anticipated problems w/ wetlands. Noted to use the 2 page C.E. w/ attachments. Andy Pitman acknowledged.

Preconstruction noted that road typical section should have 8 ft shoulders to match the bridge shoulder width. Also noted to use the 1994 AASHTO even though it is metric, convert the design criteria.

Noted to add State Planning to concept report distribution list w/ attachments.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(46)

County: Berrien

P. I. Number: 432110

DESCRIPTION: SR 135 over Alapaha River

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A


Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

6-9-00
Date


State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(46)

County: Berrien

P. I. Number: 432110

DESCRIPTION: SR 135 over Alapaha River

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

Project Review Engineer

Date

State Traffic Operations Engineer

6/17/00
Date


Paul V. Liles Jr.
State Bridge & Structural Engineer

Department of Transportation State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-079-1(46)/Berrien County
P.I. No. 432110

Office: Traffic Operations
Atlanta, Georgia
Date: June 8, 2000

From:  M.G. Waters, III, P.E., State Traffic Operations Engineer
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for the replacement of a structurally deficient bridge on SR 135 over the Alapaha River at the Atkinson County line, located south of the city of Willacooche.

SR 135, is a rural two lane roadway with a posted speed limit of 55mph. The existing structure is 29.5 feet in width with a structural evaluation rating of 2, on a scale from 0 to 9, and a sufficiency rating of 26.9. Both scales mandate replacement of the bridge.

This project will maintain two lanes on SR 135 with 8 foot shoulders included. The proposed bridge will be 40 feet in width, constructed using a design year ADT of 3600vpd, and this is in concurrence with MOG 4265-10. The new bridge will be parallel and offset of the existing structure. Traffic is to be maintained during construction on the existing structure.

We believe this concept will improve safety and traffic operations along this section of roadway.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: David Studstill
James Chambers, State Consultant Design Engineer
Attention: Ted Cashin
David Mulling, w/ attachment
Marta Rosen
Chuck Hasty, TMC
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(46)

County: Berrien

P. I. Number: 432110

DESCRIPTION: SR 135 over Alapaha River

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

Project Review Engineer

6/18/2000
Date

Marion G. H. Brown
State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(46)

County: Berrien

P. I. Number: 432110

DESCRIPTION: SR 135 over Alapaha River

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

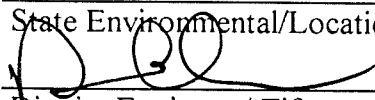
State Transportation Planning Administrator

Date

State Environmental/Location Engineer

6-19-00

Date



District Engineer / Tifton

Date

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-079-1(50) Atkinson
P.I. Number 432105

OFFICE: Atlanta, Georgia

DATE: June 15, 2000

FROM: David Mulling, Project Review Engineer

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT

We have reviewed the concept report submitted June 7, 2000 by the letter from Ted Cashin dated June 6, 2000, and have no comment.

The costs for the project are:

Construction	\$1,548,000
Inflation	\$ 155,000
E&C	\$ 170,000
Reimbursable Utilities	\$ 0
Right of Way	\$ 0

DTM

c: Ted Cashin – Office of Consultant Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(50)

County: Atkinson

P. I. Number: 432105

DESCRIPTION: SR 135 over Alapaha River Overflow, 3 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

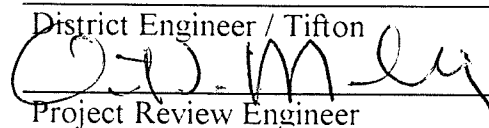
State Environmental/Location Engineer

Date

6/15/00

Date

District Engineer / Tifton


Project Review Engineer

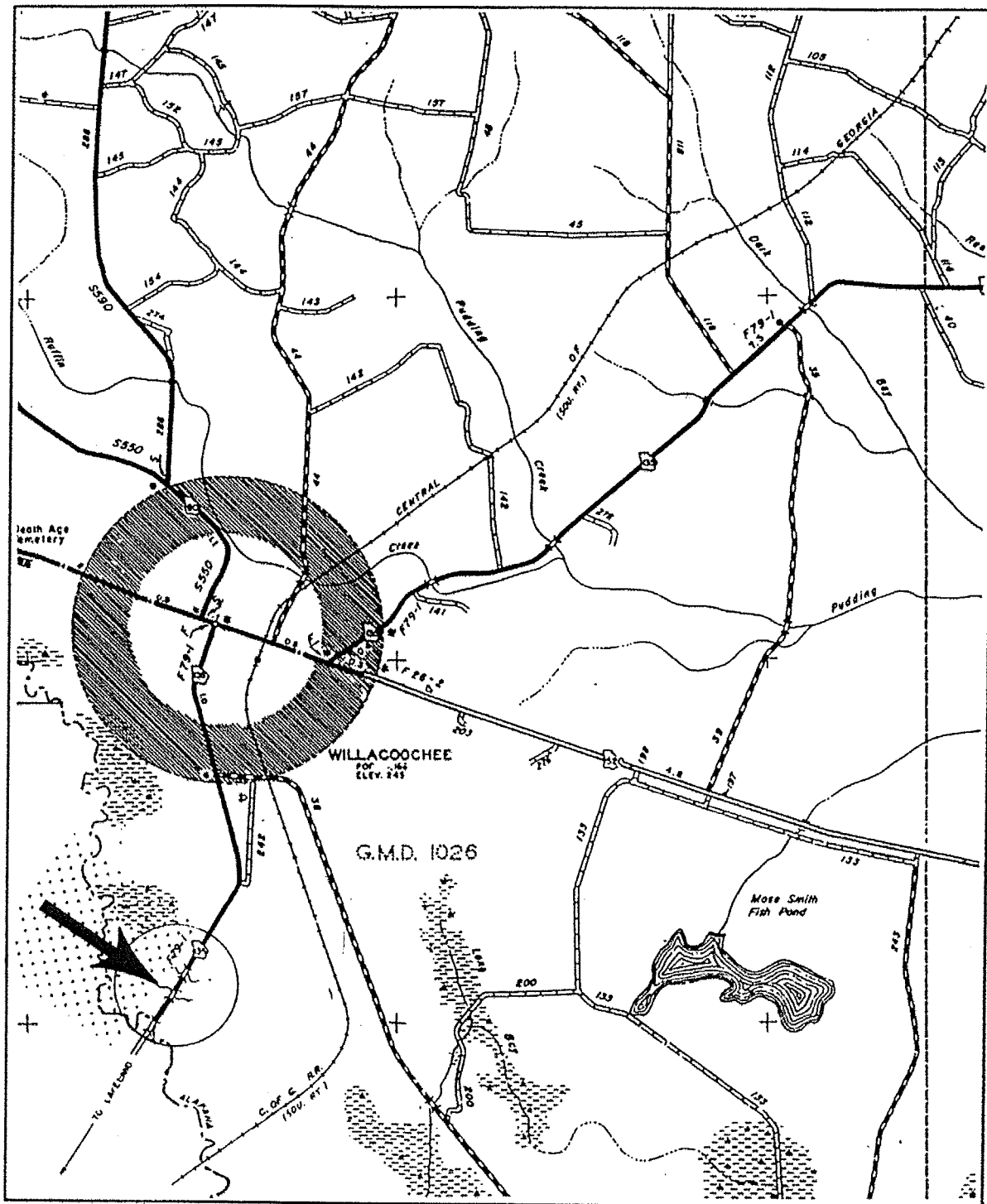
Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

PROJECT LOCATION MAP



Location Map

Project: BRST-079-1(50) Atkinson County PI No.: 432105

Description: SR 135 over Alapaha River Overflow

PROJECT CONCEPT REPORT

DATE: June 5, 2000

PROJECT NUMBER: BRST-079-1(50)

COUNTY: Atkinson

DESCRIPTION: Bridge Replacement

LENGTH: The total length of this project is approximately 1500 feet (0.28 miles)

P.I. NO.: 432105

U.S. ROUTE NO.: N/A STATE RT. NO.: 135

LOCATION: SR 135 over Alapaha River Overflow, 3 mi south of Willacoochee

MILE POINT REFERENCE:

BEGIN 0.23 END N/A

TRAFFIC

CURRENT	PROJECTED
YEAR: <u>2004</u> ADT: <u>2200</u>	YEAR: <u>2024</u> ADT: <u>3400</u>

PDP CLASSIFICATION	FUNCTION CLASSIFICATION
<u>Minor</u>	<u>Rural Minor Arterial</u>

FOS ()	EXEMPT(X)	N/A ()
---------	-----------	---------

EXISTING DESIGN

TYPICAL SECTION: 2 lane rural with R/W width of 300 ft

POSTED SPEED 55 MI/HR MAX. DEGREE OF CURVE Tangent

MAX. EXISTING GRADE 0.2 %

EXISTING MAJOR STRUCTURES: 11 spans at 27'-0" typical for total length of 297 ft

FEATURE INTERSECTED: Alapaha River floodplain

S. RTG: 43.0 LENGTH: 297 feet WIDTH: 24 feet

PROJECT NEED & PURPOSE: The purpose of this project is to replace the structurally deficient bridge. See attached Need & Purpose Statement.

PROPOSED DESIGN

PROPOSED TYPICAL SECTION: Two 12'-0" travel lanes with 8' shoulders. Typical section attached.

PROPOSED RIGHT-OF-WAY WIDTH: No additional R/W required

DESIGN SPEED: 55 MI/HR

MAX. DEGREE OF CURVE: ALLOWABLE: 5° 45'

PROPOSED: Tangent

MAX. GRADE: ALLOWABLE: 4.5 %

PROPOSED: 0.2 %

TYPE ACCESS: Permit

TRAFFIC CONTROL DURING CONSTRUCTION:

Two-way traffic will be maintained on the existing bridge while proposed bridge is constructed.

PROPOSED STRUCTURES: The proposed bridge will be 40'-0" wide, consisting of two 12'-0" travel lanes and 8'-0" shoulders. The bridge is expected to be 320' long.

DESIGN EXCEPTIONS REQUIRED

<u>CONTROLLING CRITERIA</u>	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(x)
ROADWAY WIDTH:	()	()	(x)
SHOULDER WIDTH:	()	()	(x)
VERTICAL GRADES:	()	()	(x)
CROSS SLOPES:	()	()	(x)
STOPPING SIGHT DISTANCE:	()	()	(x)
SUPERELEVATION RATES:	()	()	(x)
HORIZONTAL CLEARANCE:	()	()	(x)
SPEED DESIGN:	()	()	(x)
VERTICAL CLEARANCE:	()	()	(x)
BRIDGE WIDTH:	()	()	(x)
BRIDGE STRUCTURAL CAPACITY:	()	()	(x)

NUMBER OF PARCELS: NONE

DISPLACEMENTS: NONE

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: PENDING

CONFORMS TO TIP/STIP? YES

MEETS LOGICAL TERMINI REQUIREMENTS? YES

P.A.R. MEETING: NONE ANTICIPATED

LEVEL OF ENVIRONMENTAL ANALYSIS: C. E.

PUBLIC INVOLVEMENT: NONE ANTICIPATED

PERMITS REQUIRED (COE 404, WATER QUALITY, TVA): NW 404

TIME SAVINGS PROCEDURES APPROPRIATE: YES

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL: 2 (MONTHS)

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 3 (MONTHS)

TIME TO COMPLETE 404 PERMIT: 2 (MONTHS)

TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 3 (MONTHS)

TIME TO BUY RIGHT OF WAY: 0 (MONTHS)

LOCAL GOVERNMENT COMMITMENTS: Atkinson County signed for utilities 8-12-99

OTHER PROJECTS IN THE AREA: BRST-079-1(46) and BRST-079-1(45). These projects are bridges in the Alapaha River floodplain and will be coordinated to set alignment on this project.

PROBABLE LOCATIONS OF USTS: NONE IDENTIFIED

PROBABLE LOCATION OF HAZARDOUS WASTE: NONE IDENTIFIED

ALTERNATES CONSIDERED: (1) Build proposed bridge on same location of the existing alignment with temporary detour to the east; (2) Build proposed bridge parallel and offset from existing, abandon or demolish existing bridge; (3) No Build.

Cost Comparison Summary of Concepts 1 - 3

COMMENTS: Alternate (1) was eliminated due to a long temporary alignment. Because the other two projects are close to the Alapaha River bridge, to build temporary detours for each bridge individually is impossible. The temporary detour for this project would extend past the other projects for a total length of 10,500 feet. 8,000 feet of this temporary detour would be fill material. Alternate (3) was eliminated due to long term maintenance cost of structurally deficient bridge. Alternate (2) is selected for this concept.

ATTACHMENTS: COST ESTIMATE, NEED & PURPOSE, TYPICAL SECTIONS, BRIDGE INVENTORY, TRAFFIC ASSIGNMENTS, FLEXIBLE PAVEMENT DESIGN, LOCATION & DESIGN NOTICE, AND CONCEPT TEAM MEETING MINUTES.

NOTE: F.E.M.A. MAPS NOT AVAILABLE FOR ATKINSON COUNTY

PRELIMINARY COST ESTIMATE

DATE: June 5, 2000

PREPARED BY: Heath & Lineback Engineers, Inc.

PROJECT NO.: BRST-079-1(50)

P.I. NO.: 432105

LENGTH: 1500 feet (0.28 miles)

PROJECT DESCRIPTION: SR 135 over Alapaha River Overflow, 3 mi south of Willacoochee -
Proposed bridge length of 320 ft and 40' wide.

PROPOSED CONCEPT: The proposed bridge consists of two 12'-0" travel lanes with 8'-0"
shoulders. Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

EXISTING ROADWAY: State Route 135

TRAFFIC: Existing: 2200 ADT (2004)

Design: 3400 ADT (2024)

☐ PROGRAMMING PROCESS ☒ CONCEPT DEVEL. ☐ DURING PROJ DEVEL.

PROJECT COSTS

PROJECT COSTS

04/17/00 DETAILED COST ESTIMATE FOR PROJECT NO. 432105 - BRST-079-1(50) IN ATKINSON COUNTY
SR 135 OVER ALAPAHA RIVER OVERFLOW, 3 MI SOUTH OF WILLACOOCHIEE

ITEM NO.	ITEM	UNIT	UNIT COST	QUANT	TOTAL
ROADWAY					
210-0100	GRADING COMPLETE -	LS	\$590,400.00	1	\$590,400.00
310-5060	GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	\$6.25	3671	\$22,944.44
318-3000	AGGR SURF CRS	TN	\$14.38	0	\$0.00
402-0111	RECYCLED ASPH CONC B, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	\$33.50	421	\$14,112.21
402-0120	RECYCLED ASPH CONC BASE, GP 1 OR 2, INCL BITUM MATL & H	TN	\$33.93	843	\$28,586.70
402-0130	RECYCLED ASPH CONC E, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	\$35.05	316	\$11,073.87
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	\$36.29	10	\$362.90
413-1000	BITUM TACK COAT	GL	\$0.84	385	\$323.79
433-1000	REINF CONC APPROACH SLAB	SY	\$80.55	310	\$24,970.50
441-0301	CONC SPILLWAY, TP 1	EA	\$1,119.28	4	\$4,477.12
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	\$25.31	200	\$5,062.00
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	\$356.29	4	\$1,425.16
576-1015	SLOPE DRAIN PIPE, 15 IN	LF	\$19.49	100	\$1,949.00
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	\$843.19	4	\$3,372.76
641-1100	GUARDRAIL, TP T	LF	\$24.55	83	\$2,037.65
641-1200	GUARDRAIL, TP W	LF	\$10.88	2400	\$26,112.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	\$433.10	0	\$0.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	\$1,632.38	4	\$6,529.52
SUBTOTAL					\$743,739.63
EROSION CONTROL					
161-1000	EROSION CONTROL -	LS	\$10,000.00	1	\$10,000.00
SUBTOTAL					\$10,000.00
BRIDGE					
540-1102	REMOVAL OF EXISTING BR, BR NO -	LS	\$40,000.00	1	\$40,000.00
543-1001	CONSTRUCTION OF BRIDGE NO. (\$55/SF X 12800 SF)	LS	\$704,000.00	1	\$704,000.00
603-2024	STN DUMPED RIP RAP, TP 1, 24 IN	SY	\$35.67	1400	\$49,938.00
SUBTOTAL					\$793,938.00
TRAFFIC SIGN & MARKING					
000-0000	TRAFFIC SIGNING & MARKING	LS	\$0.00	1	\$0.00
SUBTOTAL					\$0.00
TRAFFIC CONTROL - STAGED CONSTRUCTION					
150-1000	TRAFFIC CONTROL -	LS	\$0.00	1	\$0.00
622-1032	PRECAST CONCRETE MEDIAN BARRIER, METHOD 2	LF	\$24.65	0	\$0.00
SUBTOTAL					\$0.00
CONSTRUCTION COST					\$1,547,677.63

CONSTRUCTION:	\$1,547,678	RIGHT OF WAY:	\$0.00
E & C (10%):	\$154,768	ACQUIRED BY:	DOT
INFLATION:	\$158,637	UTILITIES:	Non-Reimbursable
(2 yrs. @ 5% per yr)			
TOTAL CONS'T COSTS	\$1,861,082		

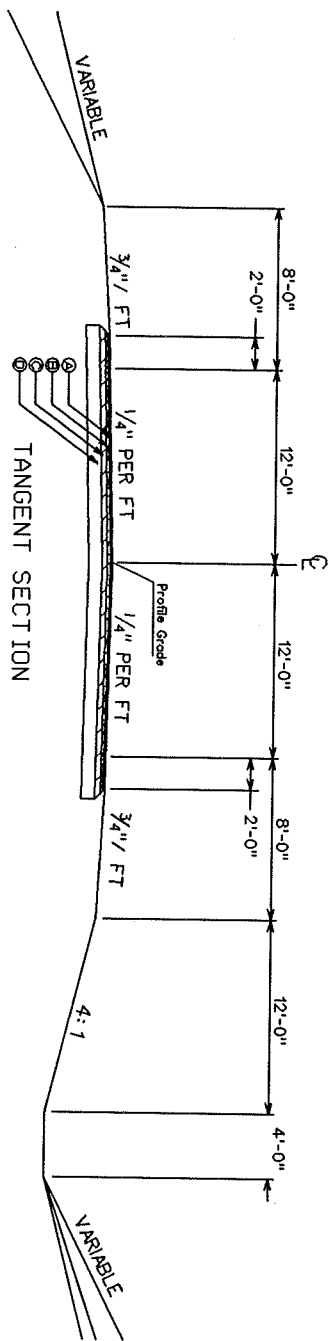
NOTE - CONSTRUCTION ESTIMATE BASED ON ADJACENT PROJECTS BRST-079-1(46) & BRST-079-1(45)
CONSTRUCTED SIMULTANEOUSLY

Need and Purpose
ATKINSON COUNTY
BRST-079-1 (50)
PI # 432105

Bridge project BRST-079-1 (50) will replace the structurally deficient bridge at State Route 135 over the Alapaha River Overflow. The project is the result of a structural evaluation of bridges on the State Highway System supported by 10 inch H-Piles or smaller. There is no roadway project associated with the bridge replacement. The bridge, constructed in 1940, has two-lanes and a deck width of 27.7 feet. The 1998 AADT is 1,900 vehicles. Traffic is projected to increase to 2,850 AADT by 2018. The 1998 Level of Service for SR-135 is level A and is projected to drop to a level C before 2018. The roadway is projected to exceed capacity (around 2028) within the expected life span of the bridge. This section of SR-135 is a STAA access route for single and twin trailer trucks. The 1995, 1996 and 1997 accident rates along the section of SR-135 where the bridge is located are below the statewide accident rates for similar routes. Land use in the area is mostly undeveloped and residential property.

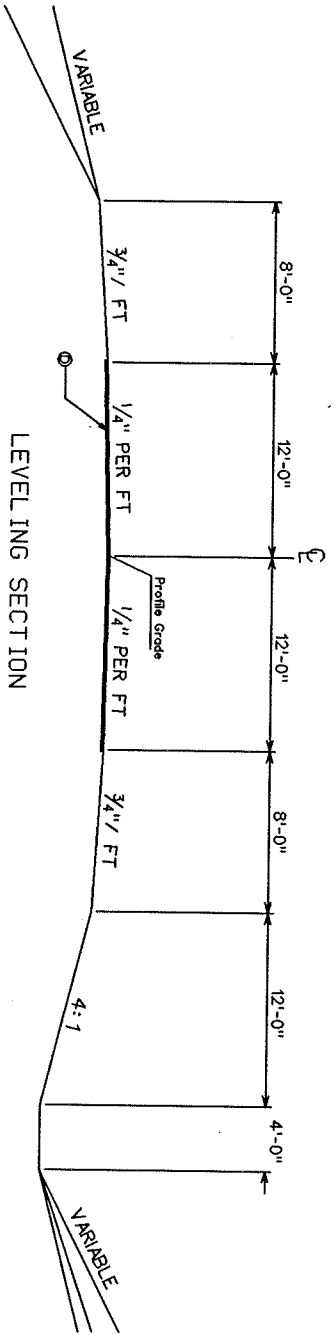
The Structural Evaluation Rating for the bridge is a 2 and the Sufficiency Rating is 43. Rather than improve a structure with a Sufficiency Rating below 50, the Department currently schedules the bridge for replacement. The Structural Evaluation Rating is on a scale of 0-9 with 2 being the lowest rating for an operable bridge. A zero requires closing the bridge and a 2 requires replacement. Both the Structural Evaluation Rating and the Sufficiency Rating mandate the bridge be replaced.

TYPICAL SECTION #1



- REQUIRED PAVEMENT**
- (A) ASPHALTIC CONCRETE 12.5 mm MAX - 1/2" IN
 - (B) ASPHALTIC CONCRETE 19 mm MAX - 2" IN
 - (C) ASPHALTIC CONCRETE 23 mm MAX - 4" IN
 - (D) GRADED AGGREGATE BASE, 6" IN
 - (E) ASPHALTIC CONCRETE LEVELING COURSE

TYPICAL SECTION #2



DATE	PROJECT NUMBER	SHEET NUMBER
GA	BRST-079-4501	1

REVISIONS

BY	DATE	REVISIONS

DATE

BRIDGE SHEET

BY

DATE

REVISIONS

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Signs & Attachments

223	Expansion Joint Type:	02
242	Deck Drains:	1
243	Parapet Location:	0
	Height:	0
	Width:	0
238	Curb:	1,2
239	Handrail:	1,1
* 240	Median Barrier Rail:	0
241	Bridge/Median Height:	0
	Width:	0
* 230	Guardrail Loc Dir Rear:	3
	Fwd:	3
	Oppo Dir Rear:	0
	Fwd:	0
244	Approach Slab:	3
224	Retaining Wall:	0
233	Posted Speed Limit:	55
236	Warning Sign:	1
234	Delinicator:	1
235	Hazard Boards:	1
237	Utilities Gas:	00
	Water:	00
	Electric:	00
	Telephone:	00
	Sewer:	00
247	Lighting Street:	0
	Navigation:	0
	Aerial:	0
* 248	County Continuity No:	00

Measurements

Ratings

Programming Data

201 Project No: SP 1699-C
 202 Plans Available: 0
 249 Prop. Proj No: BRST-079-1 (50)
 250 Approval Status: 0000
 251 P.I. No: 432105
 252 Contract Date: 02/01/2004
 260 Seismic No: 000000
 75 Type Work: 341
 94 Bridge Imp. Cost: \$ 354
 95 Roadway Imp. Cost: \$ 247
 96 Total Imp. Cost: \$ 759
 76 Imp. Length: 001617
 77 Imp. Year: 1990
 714 Future ADT: 002850 Year: 2018

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0200.6 Year: 1973
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0193.6
 Drainage Area: 00000
 Area of Opening: 002295
 113 Scour Critical: 6
 216 Water Depth: 00.0 Br Height: 12.0
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 20 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 265 I/W Insp. Area: 0 Diver: ZZZ

* Location I.D. No: 003-001.351D-000.23N
 * XReference I.D. No: 000-000000-000.000

* 29 ADT: 001900 Year: 1998
 109 % Trucks: 19
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0027
 * 49 Structure Length: 297
 51 Br. Rdwy. Width: 23.9
 52 Deck Width: 27.7
 * 47 Tot. Horiz. Cl: 23.9
 50 Curb/Sdewlk Width: 1.0/1.0
 32 Approach Rdwy Width: 020
 * 229 Shlder Width:
 Rear Lt: 10.0 Type: 8 Rt: 10.0
 Fwd Lt: 10.0 Type: 8 Rt: 10.0
 Pwment Width:
 Rear: 20.0 Type: 2
 Fwd: 20.0 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail: 2
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over: 99'99"
 Under: N 00'00"
 * 228 Min. Vert. Cl
 Act. Odm. Dir: 99'99"
 Oppo. Dir: 99'99"
 Posted Odm. Dir: 00'00"
 Oppo. Dir: 00'00"
 55 Lateral Underl. Rt: N 99.9
 56 Lateral Underl. Lt: 0.0
 * 10 Max Min Vert Cl: 99'99" Dir: 0
 39 Nav Vert Cl: 000 Horiz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 7.0
 Deck Thick Approach: 0.0
 246 Overlay Thickness: 0.0
 211 Tons Structural Steel: 37.0
 212 Year Last Painted: Sup: 1991 Sub: 1991

66 Inventory Type: 2 Rating: 13
 64 Operating Type: 2 Rating: 29
 231 Calculated Loads
 H-Modified: 15 1
 HS-Modified: 25 0
 Type 3: 27 1
 Type 3s2: 40 0
 Timber: 31 1
 Piggyback: 40 0
 261 H Inventory Rating: 10
 262 H Operating Rating: 15
 67 Structural Evaluation: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 8
 * 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 7
 68 Deck Geometry: 3
 69 UnderClr. Horiz/Vert: N
 72 Appr. Alignment: 7
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 3
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 15
 HS-Modified: 00
 Type 3: 27
 Type 3s2: 00
 Timber: 31
 Piggyback: 00
 253 Notification Date: 0000
 253 Fed Notify Date: 0000

9015.015.in.01
9015.014.in.00
Traffic Assign.

Ebodaghe, Abby

From: Ebodaghe, Abby

Sent: Monday, March 20, 2000 11:19 AM

To: Cashin, Ted

Cc: Chambers, Jimmy

Subject: Traffic Assignments for S.R. 135 @ Alapaha River Overflow App 3, 2 MI S Of Jct S.R. 520.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

14
15

FILE

BRST-079-1(45),(50), Atkinson County
P.I. # 432106, 432105

OFFICE Environment/ Location

DATE March 16, 2000

FROM

David E. Studstill, P.E., State Environment/ Location

TO

Jimmy Chambers, Office Of Consultant Management
Attn. Ted Cashin

SUBJECT

We are furnishing estimated traffic assignments for the above project as follows:

2004 AADT = 2200

2024 AADT = 3400

K = 9%

D = 60%

T = 7%

24 HR. T = 9%

S.U. = 4%

COMB. = 5%

If you have any questions concerning this information please contact Abby Ebodaghe at (404) 505-4889.

FLEXIBLE PAVEMENT DESIGN ANALYSIS

Project: BRST-079-1(50)

County: ATKINSON

P.I. no.: 432105

Description: SR 135 OVER ALAPAHA RIVER OVERFLOW, 3 MI SOUTH OF WILLACOOCHEE

Traffic Data (NOTE: AADTs are one-way)

24-hour Truck Percentage: 9.00%

AADT initial year of design period: 1,320 vpd (2004)

AADT final year of design period: 2,040 vpd (2024)

Mean AADT (one-way): 1,680 vpd

Design Loading

Mean AADT		LDF		Trucks		18-K ESAL		Total Daily Loads
1,680	*	1.00	*	0.090	*	0.62	=	95

Total predicted design period loading = $95 * 20 * 365 = 693,500$ Design Data

Terminal Serviceability Index: 2.50

Soil Support: 4.00

Regional Factor: 1.60

PROPOSED FLEXIBLE PAVEMENT STRUCTURE

Material	Thickness		Structural Coefficient	Structural Value
	mm	(in.)		
12.5 mm Superpave	40	(1.57)	0.0173	0.69
19 mm Superpave	50	(1.97)	0.0173	0.86
25 mm Superpave	24	(0.94)	0.0173	0.42
	76	(2.99)	0.0118	0.90
Graded Aggregate Base	150	(5.91)	0.0063	0.94

Required SN = 3.50

Proposed SN = 3.81

>>> Proposed pavement is 8.9% Overdesign <<<

Remarks:

Prepared by ALLEN KRIVSKY - HEATH & LINEBACK ENGINEERS

April 6, 2000

Date

Recommended

State Urban Design Engineer

Date

Approved

Chief Engineer

Date

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-079-1(50)

P.I. No. 432105

Notice is hereby given in compliance with Georgia code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

This project consists of S.R. 135 bridge over Alapaha River floodplain, located in Atkinson County, 10th Land District, Land Lot 18. The improvement project includes replacing the existing bridge over Alapaha River.

Date of Location Approval: _____

Drawings and/or maps, and/or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation. Any interested party may obtain a copy of the drawings or maps or plats by writing to the Georgia Department of Transportation, No. 2 Capital Square, Atlanta, Georgia 30334 and paying a nominal cost thereof.

Any written request in reference to this Notice SHOULD include the PROJECT AND P.I. NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referenced to:

James R. Chambers
Georgia Department of Transportation
No. 2 Capital Square
Atlanta, Georgia 30334

**CONCEPT MEETING MINUTES
MAY 23, 2000**

CONCEPT MEETING FOR BRIDGE REPLACEMENT WORK ORDERS
W.O. #14 - BRST-079-1(50) - Atkinson Co. - P.I. 432105
SR 135 over Alapaha River Overflow, 3 mi. S. of Willacoochee

LOCATION: GADOT District 4 Office
Tifton, GA

Attendees: Allen Krivsky - Heath & Lineback Engineers
Randy Boykin - Heath & Lineback Engineers
Ted Cashin - GADOT - Office of Consultant Design
Andy Pitman - Edwards-Pitman Environmental
Emory Giddens - GADOT Utilities
Randall Carr - GADOT Environmental
Joe Sheffield - GADOT Tifton
Zane Hutchinson - GADOT Tifton
Don Gaskins - GADOT Tifton
Danny Gay - GADOT Traffic Operations
Mike Harnage - Alltel
Jerry Huggins - Plant Telephone

Allen Krivsky described the project and a brief overview of the concept report. (Note: (46), (50), & (45) were reviewed simultaneously.)

Noted projects are in the STIP. Construction date is 2002 and adjacent overflow bridges are 2003.

Planning and programming delivered signed copies of LGPA from Berrien & Atkinson Co.

Utilities noted Alltel and Plant Tel on the west side of road.

Traffic Operations noted a fatal accident occurred from the north. T. O. asked to study 40 ft offset and practical method of construction between proposed road and structure and existing road. Note clear zone during construction.

Environmental noted no anticipated problems w/ wetlands. Noted to use the 2 page C.E. w/ attachments. Andy Pitman acknowledged.

Preconstruction noted that road typical section should have 8 ft shoulders to match the bridge shoulder width. Also noted to use the 1994 AASHTO even though it is metric, convert the design criteria.

Noted to add State Planning to concept report distribution list w/ attachments.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(50)

County: Atkinson

P. I. Number: 432105

DESCRIPTION: SR 135 over Alapaha River Overflow, 3 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

6-9-00
Date


State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(50)

County: Atkinson

P. I. Number: 432105

DESCRIPTION: SR 135 over Alapaha River Overflow, 3 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

Project Review Engineer

Date

State Traffic Operations Engineer

6/17/00
Date

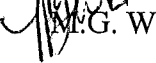
Paul V. Telle Jr.
State Bridge & Structural Engineer

Department of Transportation State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-079-1(50)/Atkinson County
P.I. No. 432105

Office: Traffic Operations
Atlanta, Georgia
Date: June 8, 2000

From:  M.G. Waters, III, P.E., State Traffic Operations Engineer
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for the replacement of a structurally deficient bridge on SR 134 over the Alapaha River Overflow, located 3 miles south of the city of Willacooche.

SR 135, is a rural two lane roadway with a posted speed limit of 55mph. The existing structure is 27.7 feet in width with a structural evaluation rating of 2, on a scale from 0 to 9, and a sufficiency rating of 43. Both scales mandate replacement of the bridge.

This project will maintain two lanes on SR 135 with 8 foot shoulders included. The proposed bridge will be 40 feet in width, constructed using a design year ADT of 3400vpd, and this is in concurrence with MOG 4265-10. The new bridge will be parallel and offset of the existing structure. Traffic is to be maintained during construction on the existing structure.

We believe this concept will improve safety and traffic operations along this section of roadway.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: David Studstill
James Chambers, State Consultant Design Engineer
Attention: Ted Cashin
David Mulling, w/ attachment
Marta Rosen
Chuck Hasty, TMC
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(50)

County: Atkinson

P. I. Number: 432105

DESCRIPTION: SR 135 over Alapaha River Overflow, 3 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

6/18/2000
Date

Project Review Engineer

Maria G. Galt
State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(50)

County: Atkinson

P. I. Number: 432105

DESCRIPTION: SR 135 over Alapaha River Overflow, 3 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

6-19-00
Date

[Signature]
District Engineer / Tifton

Date

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-079-1(45) Atkinson
P.I. Number 432106

OFFICE: Atlanta, Georgia

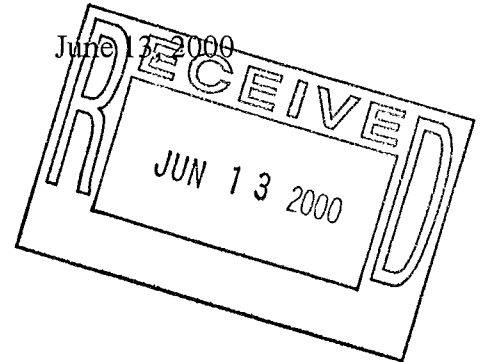
DATE:

June 13, 2000

FROM: David Mulling, Project Review Engineer *DTM*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted June 7, 2000 by the letter from Ted Cashin dated June 6, 2000, and have the following comments:

CORRECTED SUPP RTG = 44.0. JDQ.

1. ~~The bridge sufficiency rating is shown as 61.4 in the "Existing Design" information and as 64.6 in the "Need and Purpose". The rating should be the same in both places.~~
2. ~~Since the existing bridge has a sufficiency rating greater than 50, replacement of the bridge does not qualify for bridge replacement funds. Other funding is needed for the costs beyond widening and rehabilitation of existing bridge and roadway. These costs should be broken out in the concept report for the Office of Programming's information.~~ *JDQ. 14-JUNE-2000*

The costs for the project are:

Construction	\$1,969,000
Inflation	\$ 197,000
E&C	\$ 217,000
Reimbursable Utilities	\$ 0
Right of Way	\$ 0

DTM

c: Ted Cashin – Office of Consultant Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(45)

County: Atkinson

P. I. Number: 432106

DESCRIPTION: SR 135 over Alapaha River Overflow, 2 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

6-19-00

Date

State Environmental/Location Engineer



District Engineer / Tifton

Date

Project Review Engineer

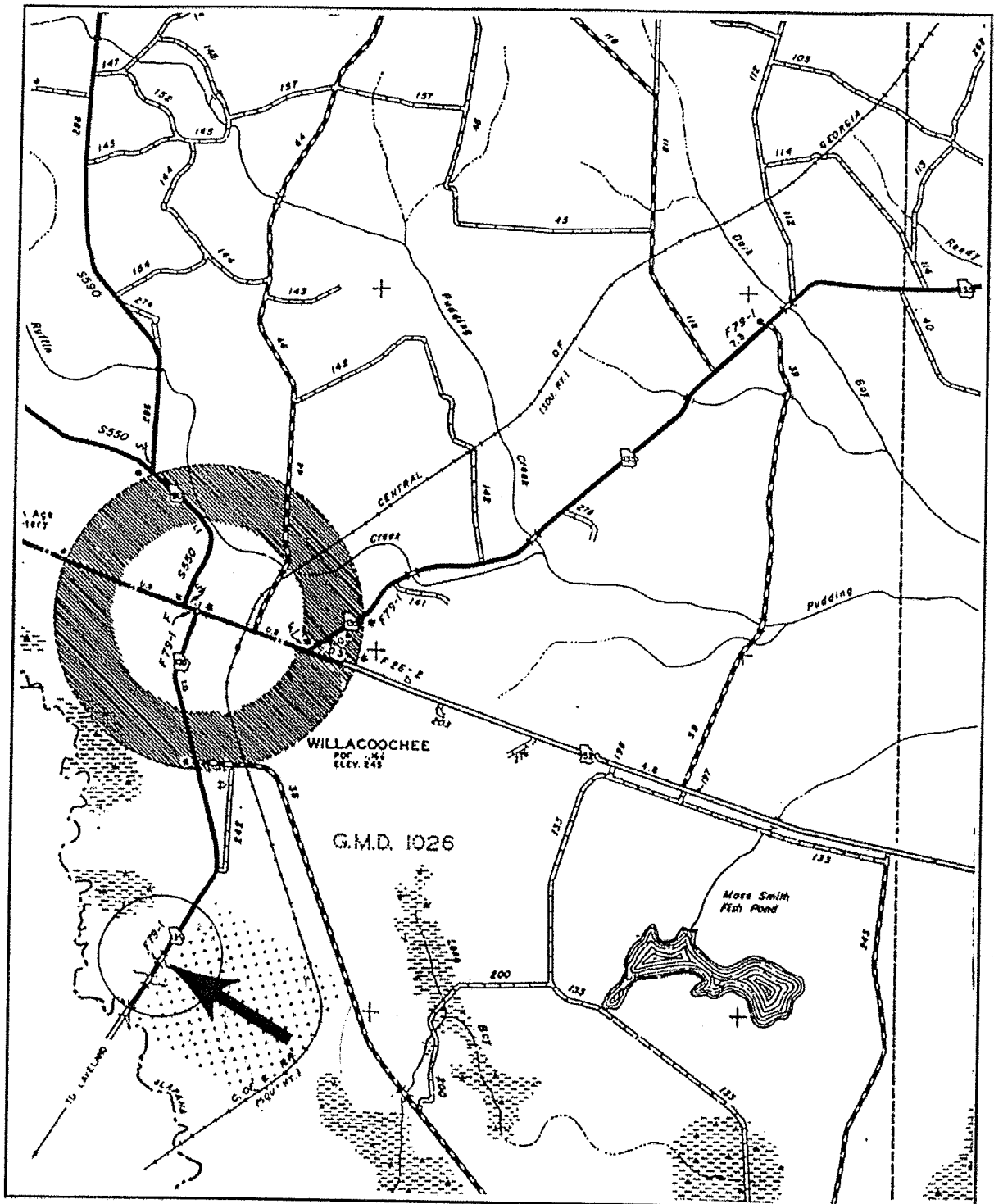
Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

PROJECT LOCATION MAP



Location Map

Project: BRST-079-1(45) Atkinson County PI No.: 432106

Description: SR 135 over Alapaha River Overflow

PROJECT CONCEPT REPORT

DATE: June 5, 2000

PROJECT NUMBER: BRST-079-1(45)

COUNTY: Atkinson

DESCRIPTION: Bridge Replacement

LENGTH: The total length of this project is approximately 2500 feet (0.47 miles)

P.I. NO.: 432106

U.S. ROUTE NO.: N/A STATE RT. NO.: 135

LOCATION: SR 135 over Alapaha River Overflow, 2 mi south of Willacoochee

MILE POINT REFERENCE:

BEGIN 0.63 END N/A

TRAFFIC

CURRENT		PROJECTED	
YEAR: <u>2004</u>	ADT: <u>2200</u>	YEAR: <u>2024</u>	ADT: <u>3400</u>

PDP CLASSIFICATION

Minor

FUNCTION CLASSIFICATION

Rural Minor Arterial

FOS ()

EXEMPT(X)

N/A ()

EXISTING DESIGN

TYPICAL SECTION: 2 lane rural with R/W width of 300 ft

POSTED SPEED 55 MI/HR

MAX. DEGREE OF CURVE 2° 30"

MAX. EXISTING GRADE 0.8 %

EXISTING MAJOR STRUCTURES: 11 spans at 27'-0" typical for total length of 297 ft

FEATURE INTERSECTED: Alapaha River floodplain

S. RTG: 61.5 44

LENGTH: 297 feet

WIDTH: 24 feet

PROJECT NEED & PURPOSE: The purpose of this project is to replace the load posted bridge. Due to the 50+ sufficiency rating, FHWA will fund replacement up the costs of widening this bridge. See attached Need & Purpose Statement.

PROPOSED DESIGN

PROPOSED TYPICAL SECTION: Two 12'-0" travel lanes with 8' shoulders. Typical section attached.

PROPOSED RIGHT-OF-WAY WIDTH: No additional R/W required

DESIGN SPEED: 55 MI/HR

MAX. DEGREE OF CURVE: ALLOWABLE: 5° 45'

PROPOSED: 2°

MAX. GRADE: ALLOWABLE: 4.5 %

PROPOSED: 0.8 %

TYPE ACCESS: Permit

TRAFFIC CONTROL DURING CONSTRUCTION:

Two-way traffic will be maintained on the existing bridge while proposed bridge is constructed.

PROPOSED STRUCTURES: The proposed bridge will be 40'-0" wide, consisting of two 12'-0" travel lanes and 8'-0" shoulders. The bridge is expected to be 320' long.

DESIGN EXCEPTIONS REQUIRED

<u>CONTROLLING CRITERIA</u>	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(x)
ROADWAY WIDTH:	()	()	(x)
SHOULDER WIDTH:	()	()	(x)
VERTICAL GRADES:	()	()	(x)
CROSS SLOPES:	()	()	(x)
STOPPING SIGHT DISTANCE:	()	()	(x)
SUPERELEVATION RATES:	()	()	(x)
HORIZONTAL CLEARANCE:	()	()	(x)
SPEED DESIGN:	()	()	(x)
VERTICAL CLEARANCE:	()	()	(x)
BRIDGE WIDTH:	()	()	(x)
BRIDGE STRUCTURAL CAPACITY:	()	()	(x)

NUMBER OF PARCELS: NONE

DISPLACEMENTS: NONE

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: PENDING

CONFORMS TO TIP/STIP? YES

MEETS LOGICAL TERMINI REQUIREMENTS? YES

P.A.R. MEETING: NONE ANTICIPATED

LEVEL OF ENVIRONMENTAL ANALYSIS: C. E.

PUBLIC INVOLVEMENT: NONE ANTICIPATED

PERMITS REQUIRED (COE 404, WATER QUALITY, TVA): NW 404

TIME SAVINGS PROCEDURES APPROPRIATE: YES

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL: 2 (MONTHS)

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 3 (MONTHS)

TIME TO COMPLETE 404 PERMIT: 2 (MONTHS)

TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 3 (MONTHS)

TIME TO BUY RIGHT OF WAY: 0 (MONTHS)

LOCAL GOVERNMENT COMMITMENTS: Atkinson County signed for utilities 7-15-99

OTHER PROJECTS IN THE AREA: BRST-079-1(46) and BRST-079-1(50). These projects are bridges in the Alapaha River floodplain and will be coordinated to set alignment on this project.

PROBABLE LOCATIONS OF USTS: NONE IDENTIFIED

PROBABLE LOCATION OF HAZARDOUS WASTE: NONE IDENTIFIED

ALTERNATES CONSIDERED: (1) Build proposed bridge on same location of the existing alignment with temporary detour to the east; (2) Build proposed bridge parallel and offset from existing, abandon or demolish existing bridge; (3) No Build.

Cost Comparison Summary of Concepts 1 - 3

COMMENTS: Alternate (1) was eliminated due to a long temporary alignment. Because the other two projects are close to the Alapaha River bridge, to build temporary detours for each bridge individually is impossible. The temporary detour for this project would extend past the other projects for a total length of 10,500 feet. 8,000 feet of this temporary detour would be fill material. Alternate (3) was eliminated due to long term maintenance cost of structurally deficient bridge. Alternate (2) is selected for this concept.

ATTACHMENTS: COST ESTIMATE, NEED & PURPOSE, TYPICAL SECTIONS, BRIDGE INVENTORY, TRAFFIC ASSIGNMENTS, FLEXIBLE PAVEMENT DESIGN, LOCATION & DESIGN NOTICE, AND CONCEPT TEAM MEETING MINUTES.

NOTE: F.E.M.A. MAPS NOT AVAILABLE FOR ATKINSON COUNTY

PRELIMINARY COST ESTIMATE

DATE: June 5, 2000

PREPARED BY: Heath & Lineback Engineers, Inc.

PROJECT NO.: BRST-079-1(45)

P.I. NO.: 432106

LENGTH: 2500 feet (0.45 miles)

PROJECT DESCRIPTION: SR 135 over Alapaha River Overflow, 2 mi south of Willacoochee -
Proposed bridge length of 320 ft and 40' wide.

PROPOSED CONCEPT: The proposed bridge consists of two 12'-0" travel lanes with 8'-0"
shoulders. Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

EXISTING ROADWAY: State Route 135

TRAFFIC: Existing: 2200 ADT (2004)

Design: 3400 ADT (2024)

() PROGRAMMING PROCESS (x) CONCEPT DEVEL. () DURING PROJ DEVEL.

PROJECT COSTS

PROJECT COSTS

04/17/00 DETAILED COST ESTIMATE FOR PROJECT NO. 432106 - BRST-079-1(45) IN ATKINSON COUNTY
SR 135 OVER ALAPAHA RIVER OVERFLOW, 2 MI SOUTH OF WILLACOOCHIEE

ITEM NO.	ITEM	UNIT	UNIT COST	QUANT	TOTAL
ROADWAY					
210-0100	GRADING COMPLETE -	LS	\$900,000.00	1	\$900,000.00
310-5060	GR AGGR BASE CRS, 6 INCH, INCL MATL	SY	\$6.25	6782	\$42,388.89
318-3000	AGGR SURF CRS	TN	\$14.38	50	\$719.00
402-0111	RECYCLED ASPH CONC B, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	\$33.50	778	\$26,071.71
402-0120	RECYCLED ASPH CONC BASE, GP 1 OR 2, INCL BITUM MATL & H	TN	\$33.93	1557	\$52,812.72
402-0130	RECYCLED ASPH CONC E, GP 2 ONLY, INCL BITUM MATL & H LIME	TN	\$35.05	584	\$20,458.51
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	\$36.29	50	\$1,814.50
413-1000	BITUM TACK COAT	GL	\$0.84	712	\$598.19
433-1000	REINF CONC APPROACH SLAB	SY	\$80.55	310	\$24,970.50
441-0301	CONC SPILLWAY, TP 1	EA	\$1,119.28	4	\$4,477.12
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	\$25.31	200	\$5,062.00
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	\$356.29	4	\$1,425.16
576-1015	SLOPE DRAIN PIPE, 15 IN	LF	\$19.49	100	\$1,949.00
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	\$843.19	4	\$3,372.76
641-1100	GUARDRAIL, TP T	LF	\$24.55	83	\$2,037.65
641-1200	GUARDRAIL, TP W	LF	\$10.88	3000	\$32,640.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	\$433.10	0	\$0.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	\$1,632.38	4	\$6,529.52
SUBTOTAL					\$1,127,327.23
EROSION CONTROL					
161-1000	EROSION CONTROL -	LS	\$20,000.00	1	\$20,000.00
SUBTOTAL					\$20,000.00
BRIDGE					
540-1102	REMOVAL OF EXISTING BR, BR NO -	LS	\$40,000.00	1	\$40,000.00
543-1001	CONSTRUCTION OF BRIDGE NO. (\$55/SF X 12800 SF)	LS	\$704,000.00	1	\$704,000.00
603-2024	STN DUMPED RIP RAP, TP 1, 24 IN	SY	\$35.67	1400	\$49,938.00
SUBTOTAL					\$793,938.00
TRAFFIC SIGN & MARKING					
000-0000	TRAFFIC SIGNING & MARKING	LS	\$10,000.00	1	\$10,000.00
SUBTOTAL					\$10,000.00
TRAFFIC CONTROL - STAGED CONSTRUCTION					
150-1000	TRAFFIC CONTROL -	LS	\$15,000.00	1	\$15,000.00
622-1032	PRECAST CONCRETE MEDIAN BARRIER, METHOD 2	LF	\$24.65	100	\$2,465.00
SUBTOTAL					\$17,465.00
CONSTRUCTION COST					\$1,968,730.23

CONSTRUCTION: \$1,968,730

RIGHT OF WAY: \$0.00

E & C (10%): \$196,873

ACQUIRED BY: DOT

INFLATION: \$201,795
(2 yrs. @ 5% per yr)

UTILITIES: Non-reimbursable

TOTAL CONS'T COSTS \$2,367,398

NOTE - CONSTRUCTION ESTIMATE BASED ON ADJACENT PROJECTS BRST-079-1(46) & BRST-079-1(50)
CONSTRUCTED SIMULTANEOUSLY

Need and Purpose
ATKINSON COUNTY
BRST-079-1 (45)
PI # 432106

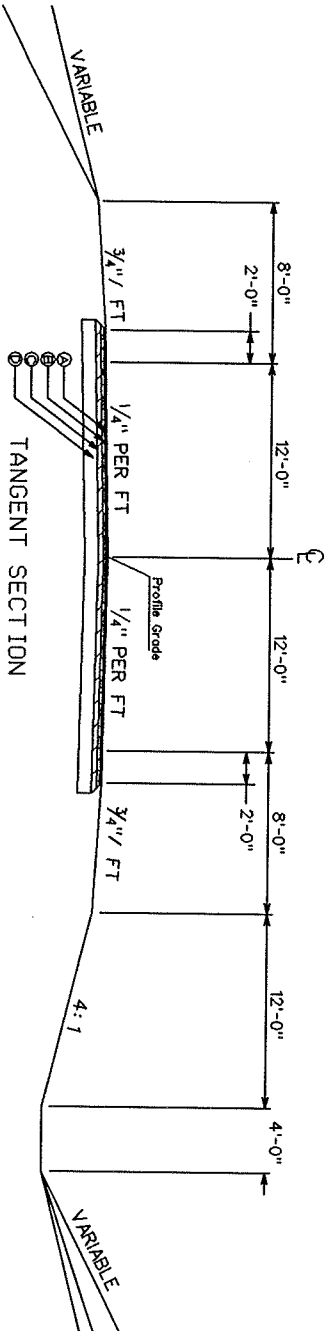
Bridge project BRST-079-1 (45) originated from an evaluation of bridges on the State Highway System supported by 10 inch H-Piles or smaller. The project will replace the structurally deficient bridge at State Route 135 over the Alapaha River Overflow. There is no roadway project associated with this project.

The bridge, constructed in 1940, has two-lanes and a deck width of 27.7 feet. The design load of the bridge is H-15 and the sufficiency rating is ~~64.6~~ ⁴⁹. The 1998 AADT is 1,900 vehicles, and 2018 traffic is projected to increase to 2,850 AADT. The 1998 Level of Service for SR-135 is level A and is projected to drop to a level C before 2018. This section of SR-135 is a STAA access route for single and twin trailer trucks. The 1995, 1996 and 1997 accident rates along the section of SR-135 where the bridge is located are below the statewide accident rates for similar routes. Land use in the area is mostly undeveloped and residential property.

Replacing this bridge is in accordance with GDOT policy 2405-1, "Bridge Replacements". This policy requires those bridges on the State Highway System with a design load of H-15 live load or with intermediate pile bents containing 10 inch H-Piling be replaced.

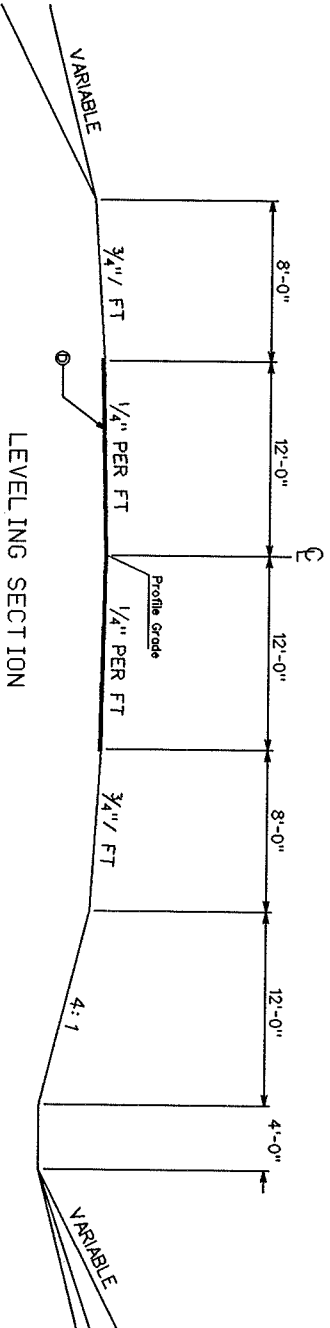
DATE	REVISION NUMBER	BY	CHK	APP
04/11/00	BRST-079-1445			

TYPICAL SECTION #1



- REQUIRED PAVEMENT**
- (A) ASPHALTIC CONCRETE 12.5 mm MAX - 1/2 IN
 - (B) ASPHALTIC CONCRETE 10 mm MAX - 2 IN
 - (C) ASPHALTIC CONCRETE 25 mm MAX - 4 IN
 - (D) GRADED AGGREGATE BASE 6 IN
 - (E) ASPHALTIC CONCRETE LEVELING COURSE

TYPICAL SECTION #2



HEALTH & LABORATORY ENGINEERING	
DEPARTMENT OF TRANSPORTATION	
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN	
PRELIMINARY LAYOUT	
SR 135 OVER ALAPAH RIVER OVERFLOW	
2 MILES SOUTH OF WILLACOOCHIE	
ATKINSON COUNTY, GA.	
BRST-079-1445	
SCALE: 1" = 8'	
APRIL 2000	

DATE	BY	REVISIONS

BRIDGE SHEET	

* Structure I.D. No.: 003-0018-0		* 104 Highway System: 0		223 Expansion Joint Type: 02
* 200 Bridge Information: 07		* 26 Functional Classification: 06		242 Deck Drains: 1
* 6A Feature Int.: ALAPAHIA RIVER OVERFLOW		* 204 Federal Route Type: F No: 079-1		243 Parapet Location: 0
* 6B Critical Bridge: 0		* 110 Truck Route: 1		Height: 0
* 7A Route Number Carried: SR00135		206 School Bus Route: 0		Width: 0
* 7B Facility Carried: SR 135		217 Benchmark Elevation: 207.67		
* 9 Location: APP 2 MI S OF WILLACOOCHIE		218 Datum: 3		238 Curb: 1.2.1
2 DOT District: 4		* 19 Bypass Length: 6		239 Handrail: 1.1
207 Year Photo: 1997		* 20 Toll: 3		* 240 Median Barrier Rail: 0
		* 21 Maintenance: 01		
		* 22 Owner: 01		241 Bridge Median Height: 0
* 91 Inspection Frequency: 24	Date: 06/15/1999	* 31 Design Load: 2		Width: 0
* Fract Crit Insp Freq: 0 00	Date: 0000	37 Historical Significance: 5		
* 92B Underwater Insp Freq: 0 00	Date: 0000	205 Congressional District: 08		* 230 Guardrail Loc Dir Rear: 3
* 92C Other Spec Insp Freq: 0 00	Date: 0000	* 27 Year Constructed: 1940		Forward: 3
		106 Year Reconstructed: 0000		Oppo Dir Rear: 0
* 4 Place Code: 000000		33 Bridge Median: 0		Forward: 0
		34 Skew: 00		
* 5 Inventory Route (O/I): 1		35 Structure Flared: 0		244 Approach Slab: 3
Type: 3		38 Navigation Control: 0		224 Retaining Wall: 0
Designator: 1		213 Special Steel Design: 0		
Number: 00135		267 Type of Paint: 2		233 Posted Speed Limit: 55
*Direction: 0				236 Warning Sign: 1
		* 42 Type Service On: 1		234 Delinicator: 1
		Under: 9		235 Hazard Boards: 1
* 16 Latitude: 31-18.5		214 Movable Bridge: 00		
* 17 Longitude: 83 -02.8		203 Type Bridge: E-N-M-O		237 Utilities Gas: 00
		259 Pile Encasement: 2		Water: 00
98 Border Bridge: 000	%Shared: 00	* 43 Structure Type Main: 4 02		Electric: 00
* I.D. Number: 000000000000000		45 No. Spans Main: 011		Telephone: 00
		44 Structure Type Appr: 0 0		Sewer: 00
* 100 Defense Highway: 0		46 No. Spans Appr: 0000		
* 101 Parallel Structure: N		226 Bridge Curve Horz: 0		247 Lighting Street: 0
* 102 Direction of Traffic: 2		Vert: 0		Navigation: 0
264 Road Inventory Mile Post: 000.63		111 Pier Protection: 0		Aerial: 0
		107 Deck Structure Type: 1		
* 208 Inspection Area: 04	Initials: BCN	108 Wearing Surface Type: 1		* 248 County Continuity No: 00
		Membrane: 0		
* Location I.D. No: 003-00135D-000.63N		Protection: 0		
* XReference I.D. No: 000-000000-000.000				

Programming Data

201 Project No: SP 1699-C
 202 Plans Available: 1
 219 Prop. Proj No:
 250 Approval Status: 0000
 251 P.I. No: 000000
 252 Contract Date: 0000
 260 Seismic No: 00000
 75 Type Work: 34.1
 94 Bridge Imp. Cost: \$ 354
 95 Roadway Imp. Cost: \$ 247
 96 Total Imp. Cost: \$ 759
 Imp. Length: 001617
 Imp. Year: 1990
 114 Future ADT: 002850 Year: 2018

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0200.6 Year: 1973
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0196.1
 Drainage Area: 00000
 Area of Opening: 002295
 113 Scour Critical: 6
 216 Water Depth: 00.0 Br Height: 10.0
 222 Slope Protection: 6
 221 Spur Dikes Rear: 0 Fwd: 0
 9 Fender System: 0
 20 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 265 U/W Imp. Area: 0 Diver: ZZZ
 Location I.D. No: 003-00135ID-000.63N
 XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 001900 Year: 1998
 109 % Trucks: 19
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0027
 * 49 Structure Length: 297
 51 Br. Rdwy. Width: 23.9
 52 Deck Width: 27.7
 * 47 Tot. Horz. Cl: 23.9
 50 Curb/Sdewlk Width: 1.0/1.0
 32 Approach Rdwy Width: 021
 * 229 Shlder Width:
 Rear Lt: 10.0 Type: 8 Rt: 10.0
 Fwd Lt: 10.0 Type: 8 Rt: 10.0
 Pymnt Width:
 Rear: 21.0 Type: 2
 Fwd: 21.0 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail: 2
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over: 99' 99"
 Under: N 00' 00"
 * 228 Min. Vert. Cl
 Act. Od m. Dir: 99' 99"
 Oppo. Dir: 99' 99"
 Posted Od m. Dir: 00' 00"
 Oppo. Dir: 00' 00"
 55 Lateral Undercl. Rt: N 99.9
 56 Lateral Undercl. Lt: 0.0
 * 10 Max Min Vert Cl: 99' 99" Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 7.0
 Deck Thick Approach: 0.0
 246 Overlay Thickness: 0.0
 211 Tons Structural Steel: 37.0
 212 Year Last Painted: Sup: 1991 Sub: 1991

Ratings

66 Inventory Type: 2 Rating: 23
 64 Operating Type: 2 Rating: 39
 231 Calculated Loads
 H-Modified: 20 0
 HS-Modified: 25 0
 Type 3: 26 0
 Type 3s2: 40 0
 Timber: 35 0
 Piggyback: 40 0
 261 H Inventory Rating: 15
 262 H Operating Rating: 24
 67 Structural Evaluation: 5
 58 Deck Condition: 5
 59 Superstructure Condition: 8
 * 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 7
 68 Deck Geometry: 3
 69 Undercl. Horz/Vert: N
 72 Appr. Alignment: 7
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 5
 41 Struct Open, Posted, Cl: A
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 00
 HS-Modified: 00
 Type 3: 00
 Type 3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date: 0000
 253 Fed Notify Date: 0000

9015.015.in.00
9015.014.in.00
TRF. Assign.

Ebodaghe, Abby

From: Ebodaghe, Abby
Sent: Monday, March 20, 2000 11:19 AM
To: Cashin, Ted
Cc: Chambers, Jimmy
Subject: Traffic Assignments for S.R. 135 @ Alapaha River Overflow App 3, 2 MI S Of Jct S.R. 520.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE ~~# 14~~
~~# 15~~
BRST-079-1(45),(50), Atkinson County **OFFICE** Environment/ Location
P.I. # 432106, 432105 **DATE** March 16, 2000

FROM David E. Studstill, P.E., State Environment/ Location
TO Jimmy Chambers, Office Of Consultant Management
Attn. Ted Cashin
SUBJECT We are furnishing estimated traffic assignments for the above project as follows:

2004 AADT = 2200
2024 AADT = 3400
K = 9%
D = 60%
T = 7%
24 HR. T = 9%
S.U. = 4%
COMB. = 5%

If you have any questions concerning this information please
contact Abby Ebodaghe at (404) 505-4889.

FLEXIBLE PAVEMENT DESIGN ANALYSIS

Project: BRST-079-1(45)

County: ATKINSON

P.I. no.: 432106

Description: SR 135 OVER ALAPAHA RIVER OVERFLOW, 2 MI SOUTH OF WILLACOOCHEE

Traffic Data (NOTE: AADTs are one-way)

24-hour Truck Percentage: 9.00%

AADT initial year of design period: 1,320 vpd (2004)

AADT final year of design period: 2,040 vpd (2024)

Mean AADT (one-way): 1,680 vpd

Design Loading

Mean AADT	LDF	Trucks	18-K ESAL	Total Daily Loads
1,680 *	1.00 *	0.090 *	0.62	= 95

Total predicted design period loading = 95 * 20 * 365 = 693,500

Design Data

Terminal Serviceability Index: 2.50

Soil Support: 4.00

Regional Factor: 1.60

PROPOSED FLEXIBLE PAVEMENT STRUCTURE

Material	Thickness		Structural Coefficient	Structural Value
	mm	(in.)		
12.5 mm Superpave	40	(1.57)	0.0173	0.69
19 mm Superpave	50	(1.97)	0.0173	0.86
25 mm Superpave	24	(0.94)	0.0173	0.42
	76	(2.99)	0.0118	0.90
Graded Aggregate Base	150	(5.91)	0.0063	0.94

Required SN = 3.50

Proposed SN = 3.81

>>> Proposed pavement is 8.9% Overdesign <<<

Remarks:

Prepared by ALLEN KRIVSKY - HEATH & LINEBACK ENGINEERS

April 6, 2000
Date

Recommended State Urban Design Engineer

Date

Approved Chief Engineer

Date

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-079-1(45)

P.I. No. 432106

Notice is hereby given in compliance with Georgia code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

This project consists of S.R. 135 bridge over Alapaha River floodplain, located in Atkinson County, 5th and 10th Land District, Land Lots 524 and 18. The improvement project includes replacing the existing bridge over Alapaha River.

Date of Location Approval: _____

Drawings and/or maps, and/or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation. Any interested party may obtain a copy of the drawings or maps or plats by writing to the Georgia Department of Transportation, No. 2 Capital Square, Atlanta, Georgia 30334 and paying a nominal cost thereof.

Any written request in reference to this Notice SHOULD include the PROJECT AND P.I. NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referenced to:

James R. Chambers
Georgia Department of Transportation
No. 2 Capital Square
Atlanta, Georgia 30334

CONCEPT MEETING MINUTES
MAY 23, 2000

CONCEPT MEETING FOR BRIDGE REPLACEMENT WORK ORDERS

W.O. #15 - BRST-079-1(45) - Atkinson Co. - P.I. 432106
SR 135 over Alapaha River Overflow, 2 mi. S. of Willacoochee

LOCATION: GADOT District 4 Office
Tifton, GA

Attendees: Allen Krivsky - Heath & Lineback Engineers
Randy Boykin - Heath & Lineback Engineers
Ted Cashin - GADOT - Office of Consultant Design
Andy Pitman - Edwards-Pitman Environmental
Emory Giddens - GADOT Utilities
Randall Carr - GADOT Environmental
Joe Sheffield - GADOT Tifton
Zane Hutchinson - GADOT Tifton
Don Gaskins - GADOT Tifton
Danny Gay - GADOT Traffic Operations
Mike Harnage - Alltel
Jerry Huggins - Plant Telephone

Allen Krivsky described the project and a brief overview of the concept report. (Note: (46), (50), & (45) were reviewed simultaneously.)

Noted projects are in the STIP. Construction date is 2002 and adjacent overflow bridges are 2003.

Planning and programming delivered signed copies of LGPA from Berrien & Atkinson Co.

Utilities noted Alltel and Plant Tel on the west side of road.

Traffic Operations noted a fatal accident occurred from the north. T. O. asked to study 40 ft offset and practical method of construction between proposed road and structure and existing road. Note clear zone during construction.

Environmental noted no anticipated problems w/ wetlands. Noted to use the 2 page C.E. w/ attachments. Andy Pitman acknowledged.

Preconstruction noted that road typical section should have 8 ft shoulders to match the bridge shoulder width. Also noted to use the 1994 AASHTO even though it is metric, convert the design criteria.

Noted to add State Planning to concept report distribution list w/ attachments.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(45)

County: Atkinson

P. I. Number: 432106

DESCRIPTION: SR 135 over Alapaha River Overflow, 2 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

6/13/00
Date

District Engineer / Tifton

C. J. M. Lee
Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(45)

County: Atkinson

P. I. Number: 432106

DESCRIPTION: SR 135 over Alapaha River Overflow, 2 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

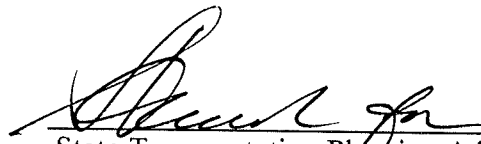
Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

6-9-00
Date


State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(45)

County: Atkinson

P. I. Number: 432106

DESCRIPTION: SR 135 over Alapaha River Overflow, 2 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

Project Review Engineer

Date

State Traffic Operations Engineer

6/17/00
Date


Paul V. Tuler Jr.
State Bridge & Structural Engineer

Department of Transportation State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-079-1(45)/Atkinson County
P.I. No. 432106

Office: Traffic Operations
Atlanta, Georgia
Date: June 8, 2000

From:  M.G. Waters, III, P.E., State Traffic Operations Engineer
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for the replacement of a functionally deficient bridge on SR 135 over the Alapaha River Overflow, located 2 miles south of the city of Willacoochee.

SR 135, is a rural two lane roadway with a posted speed limit of 55mph. The existing structure is 27.7 feet in width with a sufficiency rating of 64.6 and a design load of H-15. In accordance with MOG 2405-1 bridges on the State Highway System with a design load of H-15 or containing 10 inch H-Piling shall be replaced.

This project will maintain two lanes on SR 135 with 8 foot shoulders included. The proposed bridge will be 40 feet in width, evaluated using a projected design year ADT of 3400, and this is in concurrence with MOG 4265-10. The new bridge will be parallel and offset of the existing structure. Traffic is to be maintained during construction on the existing structure.

We believe this concept will improve safety and traffic operations along this section of roadway.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: David Studstill
James Chambers, State Consultant Design Engineer
Attention: Ted Cashin
David Mulling, w/ attachment
Marta Rosen
Chuck Hasty, TMC
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE:

PROJECT CONCEPT REPORT SIGN OFF FORM

Project Number: BRST-079-1(45)

County: Atkinson

P. I. Number: 432106

DESCRIPTION: SR 135 over Alapaha River Overflow, 2 mi south of Willacoochee

Federal Route Number: N/A

State Route Number: 135

County Road Number: N/A

Date of Report: June 5, 2000

Revised: _____

RECOMMENDATION FOR APPROVAL

This project concept is contained in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

District Engineer / Tifton

Date

6/13/2000
Date

Project Review Engineer

Marvin H. Hatcher
State Traffic Operations Engineer

Date

State Bridge & Structural Engineer